

Amendments to the Claims:

This listing of claims replaces all prior listings of claims in the application.

Listing of Claims

1. (Currently amended) A fluid dynamic bearing motor comprising:
a base having a bore hole;
a liner secured within the bore, the liner having a longitudinal wall and further having a bottom extending radially inward from the wall, the bottom hole,
~~wherein the liner includes a first end, and a second end, wherein the second end includes an inner surface having a hole formed therethrough;~~
a rotor assembly having a shaft that is rotatably supported ~~partially disposed~~ within the liner, ~~the shaft configured to rotate on the surface of the second end of the liner and relative to the liner;~~
a fluid dynamic bearing disposed between the liner and the shaft; and
a recirculation channel disposed outside the liner and in fluid communication with the fluid dynamic bearing via the hole in the bottom ~~, the recirculation channel for recirculating lubricating fluid during relative rotation of the shaft and the liner.~~
2. (Canceled)
3. (Currently amended) The fluid dynamic bearing motor of claim 1, wherein the ~~base includes the recirculation channel, the recirculation channel is formed in the base~~
extending along the ~~the~~ [[a]] wall ~~of the bore hole~~ and along the ~~the~~ [[a]] bottom ~~of the bore hole~~.
4. (Currently amended) The fluid dynamic bearing motor of claim 3, further comprising a capillary seal ~~having a reservoir, the capillary seal defined between the~~ [[a]] wall and ~~of the liner and a tapered section of the shaft.~~
5. (Currently amended) The fluid dynamic bearing motor of claim 4, wherein the recirculation channel fluidly connects the fluid dynamic bearing via the hole in the bottom

~~to the capillary seal is configured to pump bearing fluid through the hole in the bottom surface of the liner into the recirculation channel and through the recirculation channel into the reservoir.~~

6. (Currently amended) The fluid dynamic bearing motor of claim 1, wherein the fluid dynamic bearing comprises a journal bearing operably supporting the shaft in rotation against the wall and a thrust bearing operably supporting the shaft in rotation against the bottom.

7. (Currently amended) The fluid dynamic bearing motor of claim 6, wherein the shaft comprises a patterned feature that pumps fluid in the fluid dynamic bearing toward the hole ~~journal bearing is configured asymmetrically to pump bearing fluid towards the bottom of the liner.~~

8. (Currently amended) The fluid dynamic bearing motor of claim 7, wherein the patterned feature ~~journal bearing~~ includes at least two grooved bearing surfaces.

9. (Original) The fluid dynamic bearing motor of claim 1, wherein the base is at least one of forged, molded, or casted.

10. (Original) The fluid dynamic bearing motor of claim 1, wherein the base is at least one of machined, forged, molded, or casted.

11. (Original) The fluid dynamic bearing motor of claim 1, wherein the rotor assembly includes a cold-worked hub.

12. (Original) The fluid dynamic bearing motor of claim 11, wherein the cold-worked hub is at least one of drawn, hydroformed, spun, molded, casted, forged, or stamped.

13. (Original) The fluid dynamic bearing motor of claim 11, wherein the cold-worked hub further includes: a flange; and a stepped cylindrical sidewall extending from the flange and circumscribing at least a portion of the base.

14. (Currently amended) The fluid dynamic bearing motor of claim 11, further comprising a magnet attached to the cold-worked hub and a stator coupled to the base, the magnet and the stator being configured to generate a ~~downward-acting~~ preloading force on the cold-worked hub.

15-20. (Canceled)

21. (Currently amended) The fluid dynamic bearing motor of claim 1, wherein the liner defines an open end ~~first end has an opening~~ and the recirculation channel fluidly connects the fluid dynamic bearing via the hole with the open end ~~extends from the hole formed through the second end of the liner to the opening of the liner.~~

22. (Canceled)